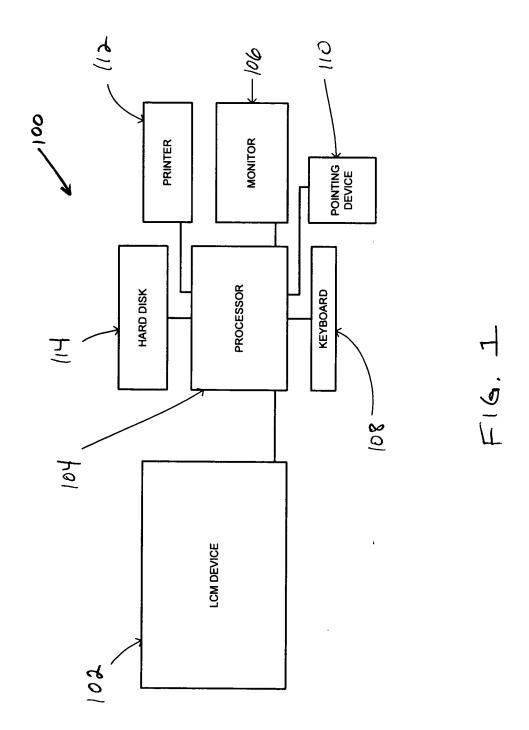
Title: INTERACTIVE AND AUTOMATED TISSUE IMAGE ANALYSIS WITH GLOBAL TRAINING DATABASE AND VARIABLE-ABSTRACTION PROCESSING ...

Inventor: David H. KIL

Application No.: To be Assigned Docket No.: ARC012010000

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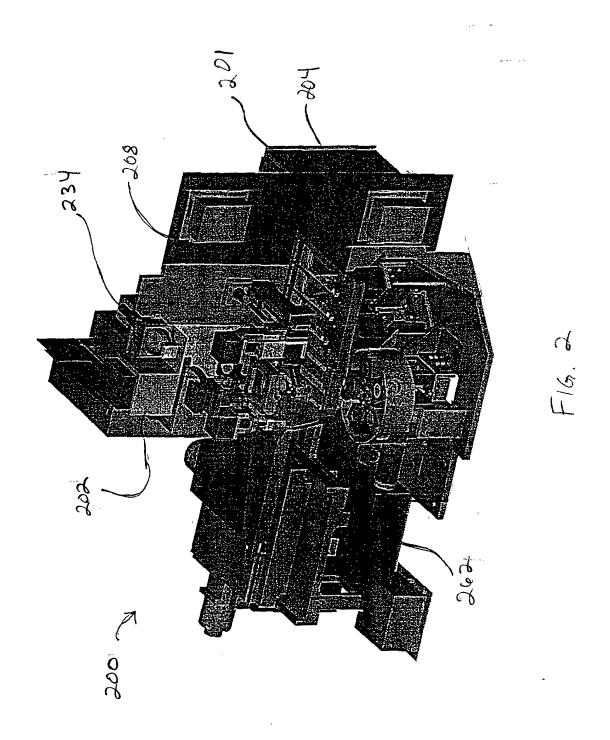


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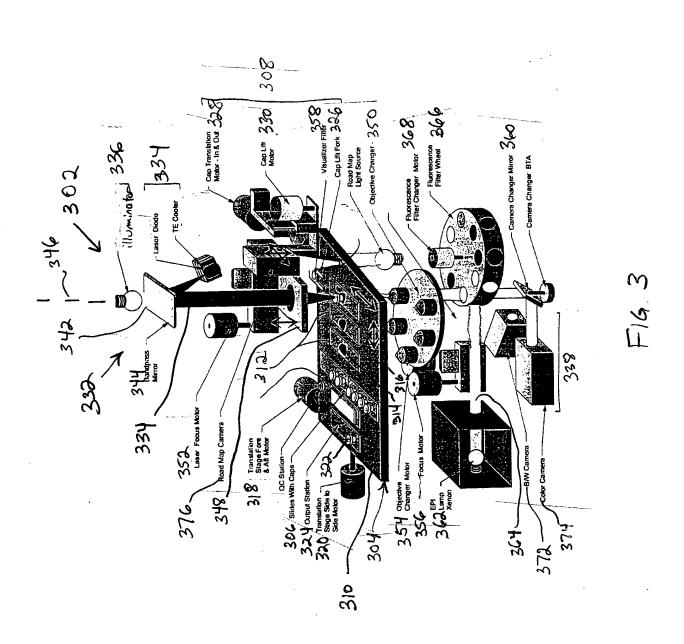


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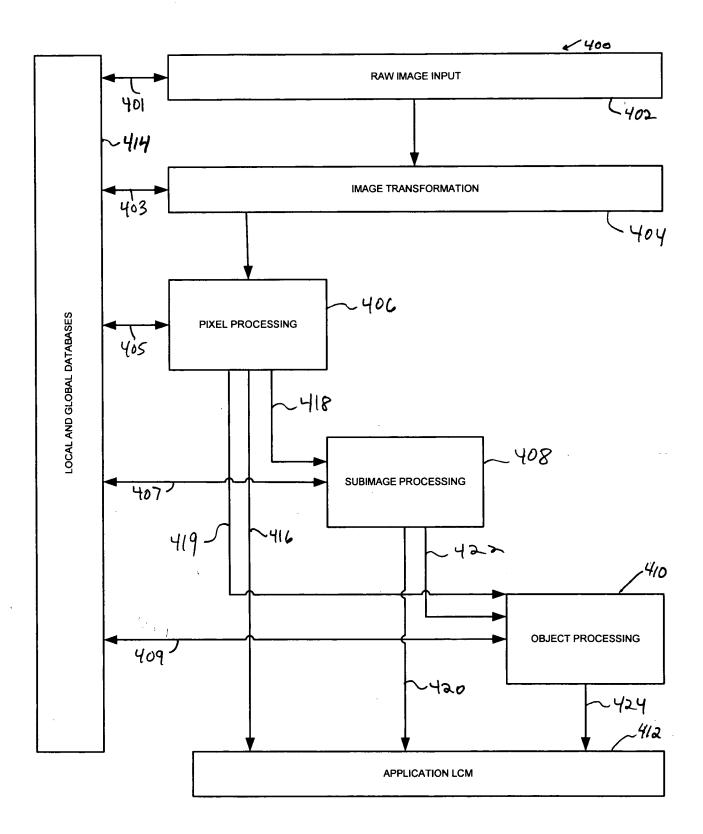


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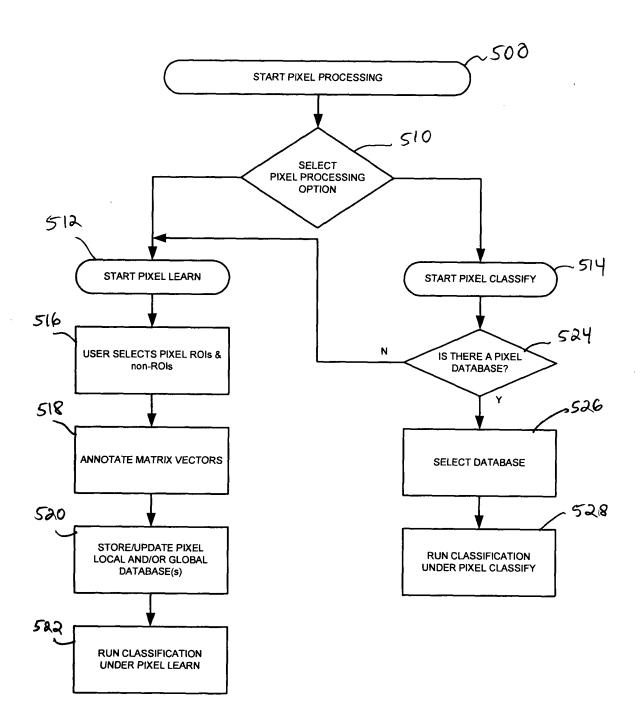


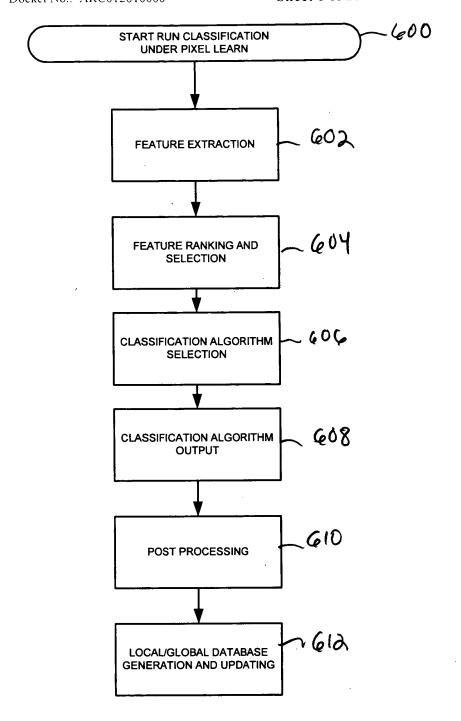
FIG. 5

VARIABLE-ABSTRACTION PROCESSING ...

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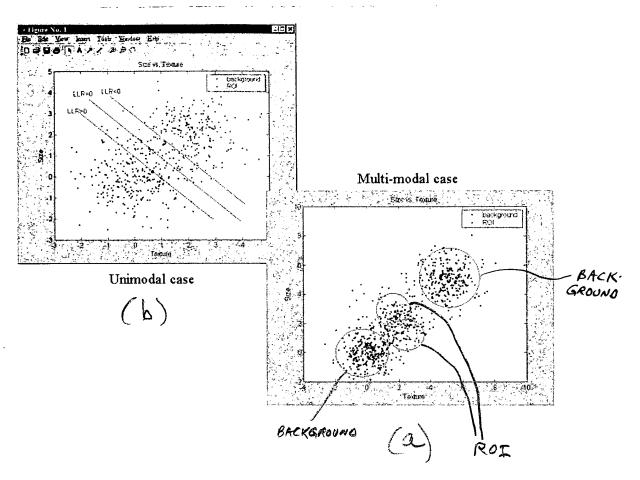


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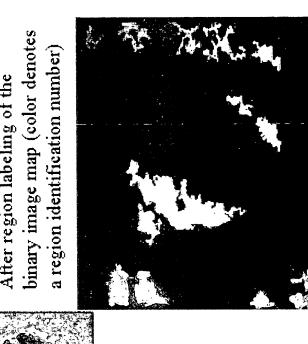
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VARIABLE-ABSTRACTION PROCESSING ...

Inventor: David H. KIL

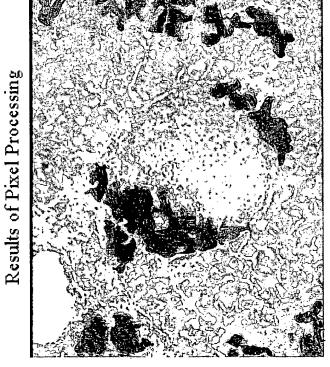
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After region labeling of the



F16.84

VARIABLE-ABSTRACTION PROCESSING ...

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VARIABLE-ABSTRACTION PROCESSING ...

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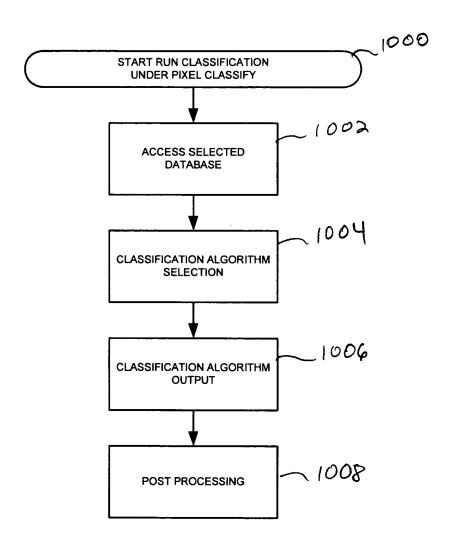


FIG. 10

The. ThickACTIVE AND AUTOMATED HOSUE IMAGE ANALYSIS WITH GLOBAL TRAINING DATABASE AND VARIABLE-ABSTRACTION PROCESSING ... Inventor: David H. KIL Application No.: To be Assigned Docket No.: ARC012010000 Sheet 11 of 21 START SUBIMAGE PROCESSING 100 RETRIEVE PIXEL PROCESSING DATA FILE ASSOCIATED WITH IMAGE AND CREATE -1101 SUBIMAGE PROCESSING DATA FILE 1102 SELECT SUBIMAGE PROCESSING OPTION 1106 START SUBIMAGE LEARN START SUBIMAGE CLASSIFY 1116 Ν **USER SELECTS SUBIMAGE** IS THERE A SUBIMAGE ROIs & non-ROIs DATABASE? -1118 **ANNOTATE MATRIX VECTORS SELECT SUBIMAGE DATABASE**

RUN CLASSIFICATION

UNDER SUBIMAGE CLASSIFY

1120

1104

1108

1110

1112

1114

STORE/UPDATE SUBIMAGE

DATABASE(s)

RUN CLASSIFICATION UNDER SUBIMAGE LEARN

FIG. 11

VARIABLE-ABSTRACTION PROCESSING ...

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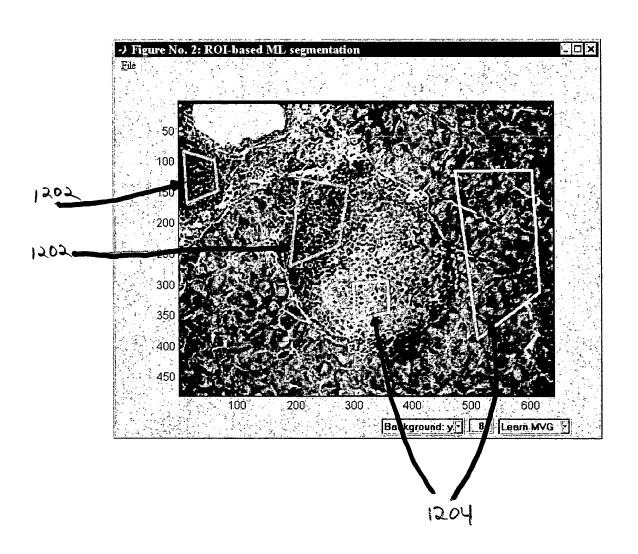


FIG. 12

VARIABLE-ABSTRACTION PROCESSING ...

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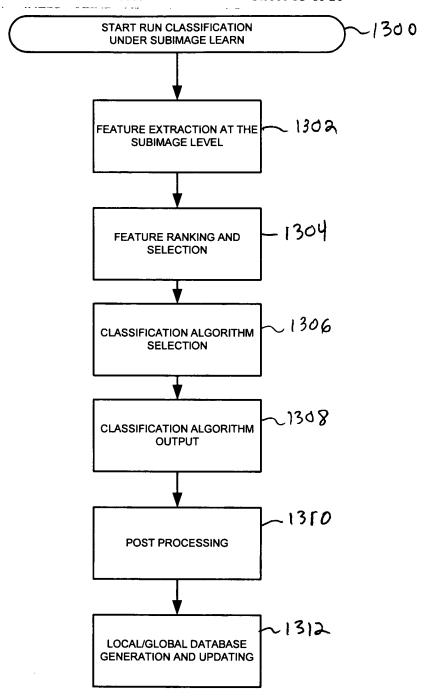


FIG. 13

VARIABLE-ABSTRACTION PROCESSING ...

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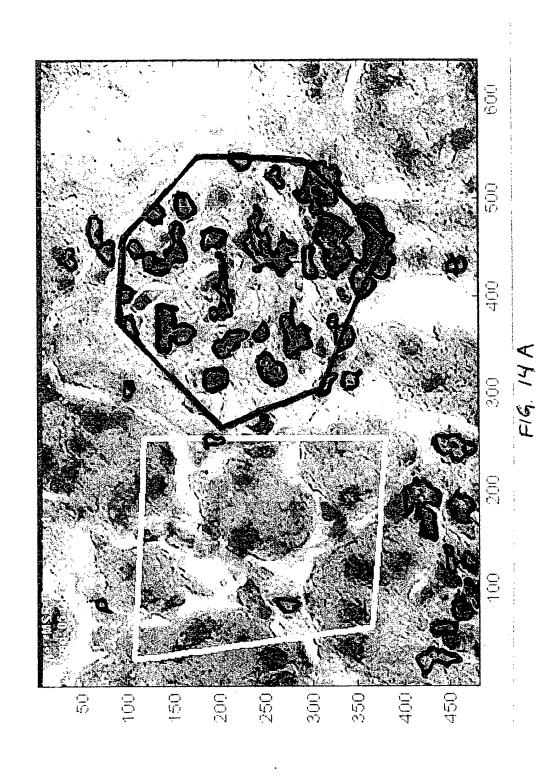
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Subimage Processing

Help

Window

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VARIABLE-ABSTRACTION PROCESSING ...

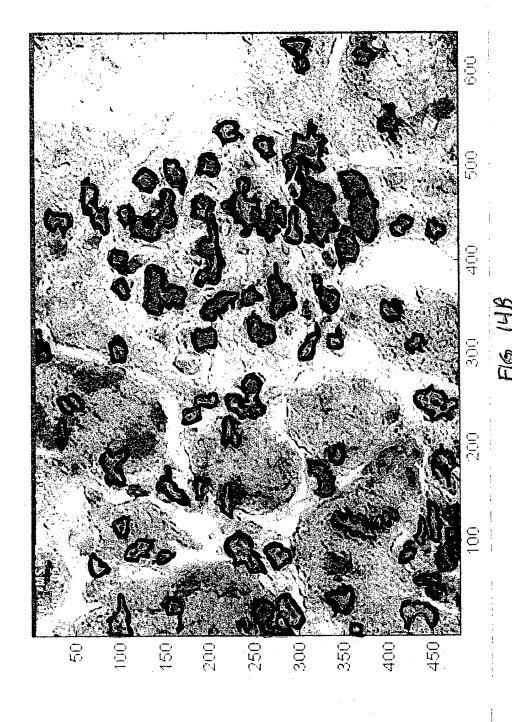
Inventor: David H. KIL

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Pixel Processing

File Edit View Insert Tools Window Help



VARIABLE-ABSTRACTION PROCESSING ...

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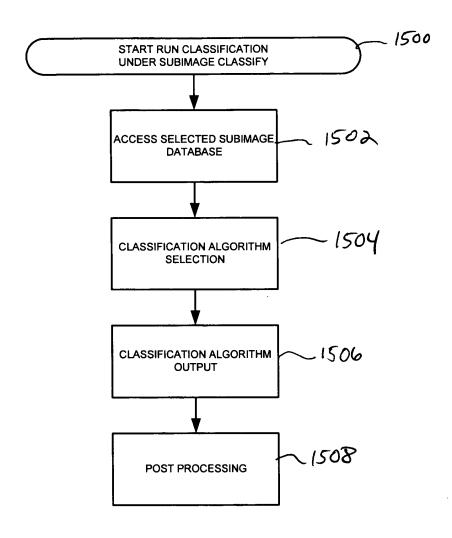


FIG. 15

VARIABLE-ABSTRACTION PROCESSING ...

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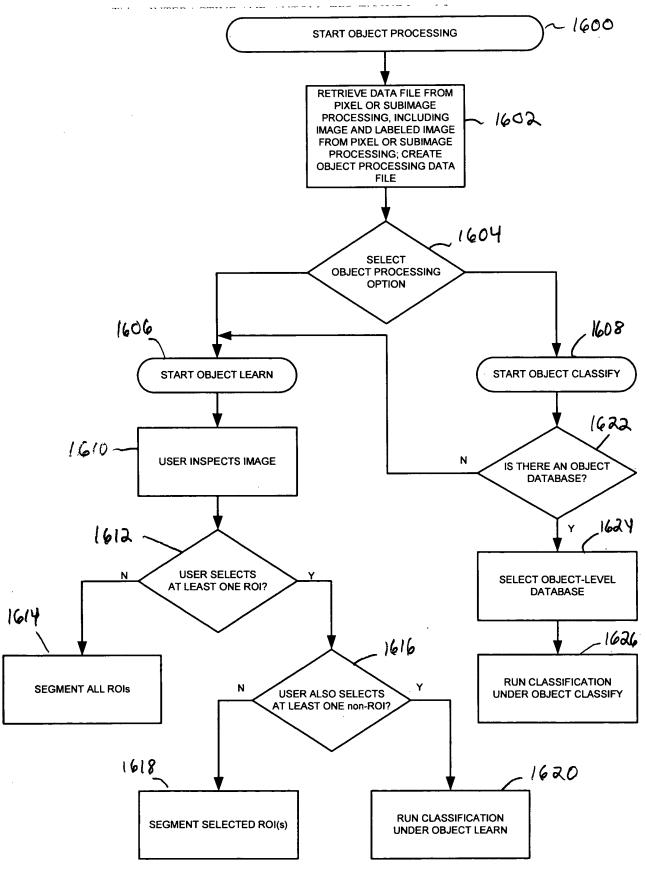
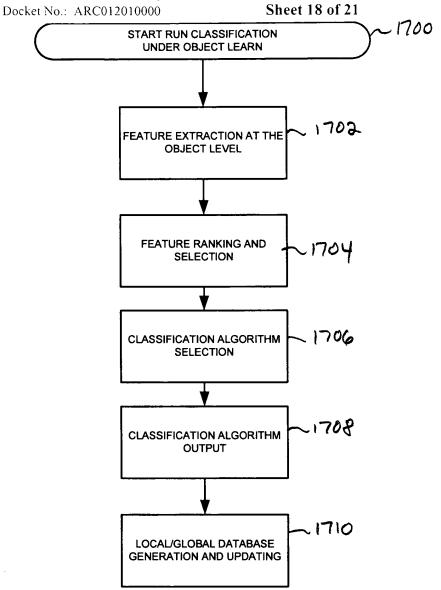


FIG. 16

VARIABLE-ABSTRACTION PROCESSING \dots

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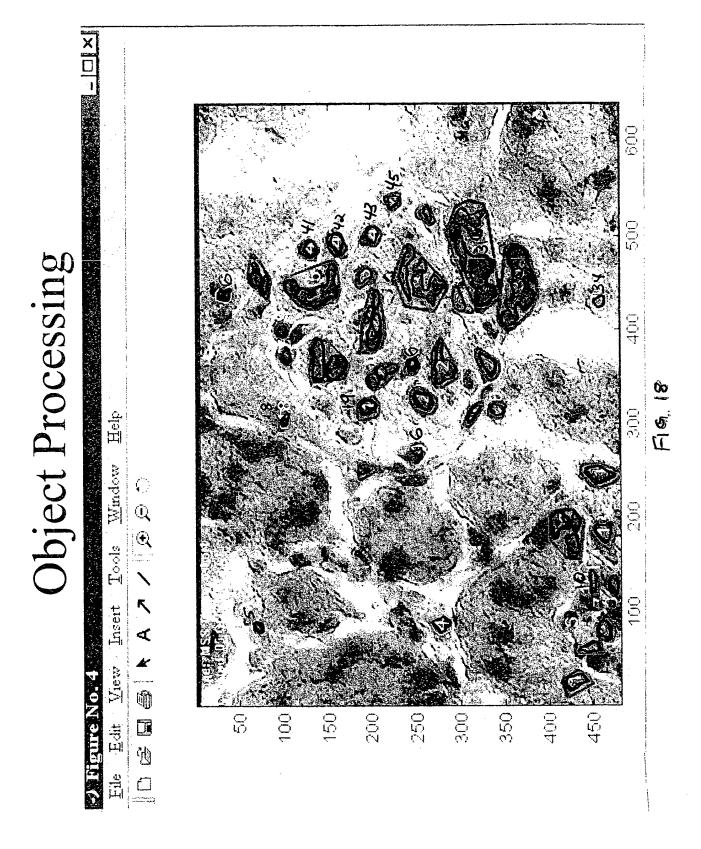


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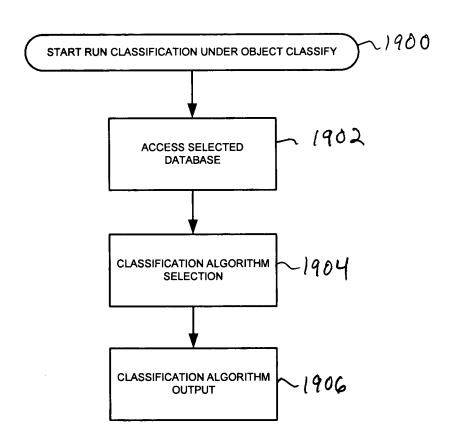


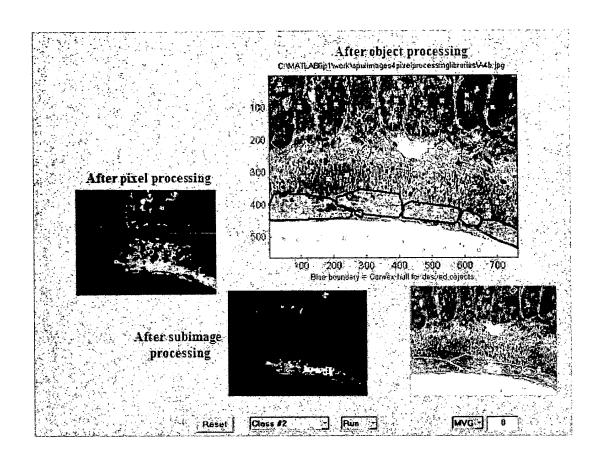
FIG. 19

VARIABLE-ABSTRACTION PROCESSING ...

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